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<!--StartFragment-->US-10-179-373-17
; Sequence 17, Application US/10179373
; Publication No. US20030232407A1
; GENERAL INFORMATION:
; APPLICANT: ZOLLER, MARK
; APPLICANT: LI, XIAODONG
; APPLICANT: STASZEWSKI, LENA
; APPLICANT: O'CONNELL, SHAWN
; APPLICANT: ZOZULYA, SERGEY
; APPLICANT: ADLER, JON
; APPLICANT: XU, HONG
; APPLICANT: ECHEVERRI, FERNANDO
; TITLE OF INVENTION: T1R HETERO-OLIGOMERIC TASTE RECEPTORS AND CELL LINES
; TITLE OF INVENTION: THAT EXPRESS SAID RECEPTORS AND USE THEREOF FOR
; TITLE OF INVENTION: IDENTIFICATION OF TASTE COMPOUNDS
; FILE REFERENCE: 078003-0291566
; CURRENT APPLICATION NUMBER: US/10/179,373
; CURRENT FILING DATE: 2002-06-26
; PRIOR APPLICATION NUMBER: 60/300,434
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/304,749
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: 60/310,493
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/331,771
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: 60/339,472
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: 60/372,090
; PRIOR FILING DATE: 2002-04-15
; PRIOR APPLICATION NUMBER: 60/374,143
; PRIOR FILING DATE: 2002-04-22
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Rattus sp.
US-10-179-373-17

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Query Match 91.9%; Score 4134; DB 4; Length 843;
Best Local Similarity 91.0%; Pred. No. 0;
Matches 767; Conservative 34; Mismatches 42; Indels 0; Gaps 0;

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Db	61 KCNEPTMKVLGYNLMQAMRFAVEEINNCSSLLPGVLLGYEMDV CYLSNNIHPGLYPLAQ 120
Qy	121 IDDFPLILKDYSQYRPQVVAVIGPDNSESAITVSNILSYPLVQVTYSAITDKLQDKRRP 180
Db	121 DDDLLPILKDYSQYMPHVVAVIGPDNSESAITVSNILSHPLIPQITYSAISDKLRDKRHF 180
Qy	181 PAMLRTVPSATHHIEAMVQLMVHPQWNWIVVVLVSDDDYGRENSHLLSQLTLNTGDICIAF 240
Db	181 PSMLRTVPSATHHIEAMVQLMVHPQWNWIVVVLVSDDDYGRENSHLLSQLTSDICIAF 240
Qy	241 QEVLPVPEPNQAVRPEEQDQLDNILDKLRRTSARVVIFSPELS LHNFREVLRWNFTGP 300
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Qy	301 VWIASESWAIDPVLNLTTELRTGTPLGVTIQRVSIPGFSQPRVRHDKGYRMPNETSLR 360
Db	301 VWIASESWAIDPVLNLTTELRTGTPLGVTIQRVSIPGFSQPRRDKPGYPVPTTSLR 360
Qy	361 TTCCNQDCDACMNITESPNNVMLSGERVVSVYSAVYAVAHTLHRLLLCNQVRCTKQIVY 420
Db	361 TTCCNQDCDACLNNTKSFNNILILSGERVVSVYSAVYAVAHALHRLLGNCNRVRCRKQKVY 420
Qy	421 PWQLLREIWHVNPTLLGNQLFPDEQGDMPMLLDIIQWQWGLSQNPPQSIASYSPTETRLT 480
Db	421 PWQLLREIWHVNPTLLGNRLFPDQQGDMPMLLDIIQWQWDLSQNPPQSIASYSPTSKRLT 480
Qy	481 YISNVSWYTPNNTVPISMCSKSCQPGQMKKPIGLHPCCFECVDCPPDTYLNRSVDEFNCL 540
Db	481 YINNVSWYTPNNTVPVSMCSKSCQPGQMKKSVGLHPCCFECLDMPGTYLNRSADEPNCL 540
Qy	541 SCPGSMWSYKNNIACPKRRLAPLEWHEVPTIVVTILAALGFISTLAILLIPWRHPQTPMV 600

Db 541 SCPGSMWSYKNDITCPQRPTFLEWHEVPTIVAILAALGFFSTLAILPIFWRHPQTPMV 600  
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Db 601 RSAGGPMCPMLVPLLLAEGMVPVYVGPPTVPSFCRQAPPTVCPSICLSCITVRSPQIV 660  
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Db 661 CVFKMARRLPSAYSPWMRYHGPYVFVAPITAIKVALVVGNNMLATTINPIGRTDPDDPNIM 720  
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Db 721 ILSCHPNYRNGLLFNTSM DLLSVLGFSPAYMGKELPTNYNEAKPITLSMTFSFTSSISL 780  
Qy 781 CTFMSVHDGVLTIMDLLTVLNFLAIGLGYFGPKCYMILPYPERNTSAYFNSMIQGYTM 840  
Db 781 CTFMSVHDGVLTIMDLLTVLNFLAIGLGYFGPKCYMILFYPERNTSAYFNSMIQGYTM 840  
Qy 841 RKS 843  
Db 841 RKS 843

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 ; LENGTH: 843  
 ; TYPE: PRT  
 ; ORGANISM: Rattus sp.  
 US-10-179-373-17

Query Match 100.0%; Score 4494; DB 4; Length 843;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 843; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1 MGPQARTLCLLSLLHVLPKPGKLVENSDPHLAGDYLLGGPLTLHANVKSISHLSYLQVP 60
Db	1 MGPQARTLCLLSLLHVLPKPGKLVENSDPHLAGDYLLGGPLTLHANVKSISHLSYLQVP 60
Qy	61 KCNEFTMKVLGYNLMQAMRPAVEEINNCSSLPGVLLGYEMVDVCYLSNNIHPGLYPLAQ 120
Db	61 KCNEFTMKVLGYNLMQAMRPAVEEINNCSSLPGVLLGYEMVDVCYLSNNIHPGLYPLAQ 120
Qy	121 DDDLLPILKDYSQYMPHVVAVIGPDNSEAITVSNILSHFLIPQITYSAISDKLRDKRHP 180
Db	121 DDDLLPILKDYSQYMPHVVAVIGPDNSEAITVSNILSHFLIPQITYSAISDKLRDKRHP 180
Qy	181 PSMLRTVPSATHHIEAMVQLMVHFQWNWIVVLVSDDDYGRENSHLLSQRLLTTSIDCIAF 240
Db	181 PSMLRTVPSATHHIEAMVQLMVHFQWNWIVVLVSDDDYGRENSHLLSQRLLTTSIDCIAF 240
Qy	241 QEVLPPIPESQVMRSBEQRQLDNILDKLRRTSARVVVVFSPELSLYSFFHEVLRWNPTGF 300
Db	241 QEVLPPIPESQVMRSEEQRQLDNILDKLRRTSARVVVVFSPELSLYSFFHEVLRWNPTGF 300
Qy	301 VWIASESWAIDPVHLNLTELRTGTPLGVTIQRVSIPGFSQFRVRRDKPGYPVPNTTNLR 360
Db	301 VWIASESWAIDPVHLNLTELRTGTPLGVTIQRVSIPGFSQFRVRRDKPGYPVPNTTNLR 360
Qy	361 TTQNQDCDACLNNTKSPNNILILSGERVVSVYSAVYAVAHRLLGCRNVRCTKQKVY 420
Db	361 TTQNQDCDACLNNTKSPNNILILSGERVVSVYSAVYAVAHRLLGCRNVRCTKQKVY 420
Qy	421 PWQLLRREIWHVNPTLLGNRLPPDQGDMPMLLDIIQWQWDLSQNPQFQSIASYSPTSKRLT 480
Db	421 PWQLLRREIWHVNPTLLGNRLPPDQGDMPMLLDIIQWQWDLSQNPQFQSIASYSPTSKRLT 480
Qy	481 YINNVSWYTPNNTVPVSMCSKSCQPGQMKSVGLHPCCPECLDCMPGTYLNRSADEPNCL 540
Db	481 YINNVSWYTPNNTVPVSMCSKSCQPGQMKSVGLHPCCPECLDCMPGTYLNRSADEPNCL 540
Qy	541 SCPGSMWSYKNDITCPQRRPTPLEHEVPTIVVAILAALGFPSTLAILPIFWRHPQTPMV 600

Db 541 SCPGSMWSYKNDITCPQRPTFLEWHBVPPTIVAILAALGPFSTLAILPIFWRHPQTPMV 600  
Qy 601 RSAGGPMCPMLVPLLAAPGMVPVYVGPPTVPSCPQRQAPPTVCPSCICLSCITVRSPQIV 660  
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Db 721 ILSCHPNYRNGLLFNTSMDLLSVLGFSFAYMGKELPTNYNEAKFITLSMTPSFTSSISL 780  
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Qy 841 RKS 843  
Db 841 RKS 843

&lt;!--EndFragment--&gt;